

Title (en)
Method for polarimetric road recognition

Title (de)
Verfahren zur polarimetrischen Fahrbahnerkennung

Title (fr)
Procédé polarimétrique pour la reconnaissance de la route

Publication
EP 0875749 A3 19990421 (DE)

Application
EP 98107232 A 19980421

Priority
DE 19718623 A 19970502

Abstract (en)
[origin: EP0875749A2] The measuring device uses a microwave transmission reception system for evaluation of the road surface condition from the reflected microwaves, directed onto the road surface in front of the vehicle. The microwave system is polarisation selective to determine the depolarisation characteristics of the road surface as a mathematical function from which the surface characteristics are determined.

IPC 1-7
G01N 22/00

IPC 8 full level
G01N 22/00 (2006.01); **G01N 22/04** (2006.01)

CPC (source: EP)
G01N 22/04 (2013.01); **G01S 7/024** (2013.01); **G01S 13/003** (2013.01)

Citation (search report)
• [E] EP 0875750 A1 19981104 - DAIMLER BENZ AG [DE]
• [X] DE 3829008 A1 19890309 - STRAHLEN UMWELTFORSCH GMBH [AT]
• [X] WO 8502266 A1 19850523 - STRAHLEN UMWELTFORSCH GMBH [AT]
• [A] US 3836973 A 19740917 - SHNITKIN H, et al

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EP2884311A4; LU93431B1; CN110140059A; EP2216659A1; EP2653882A1; US11567190B2; US10183676B2; WO2018122181A1; WO2015121107A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0875749 A2 19981104; EP 0875749 A3 19990421; EP 0875749 B1 20040901; DE 19718623 A1 19981105; DE 59811883 D1 20041007; ES 2227739 T3 20050401

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EP 98107232 A 19980421; DE 19718623 A 19970502; DE 59811883 T 19980421; ES 98107232 T 19980421